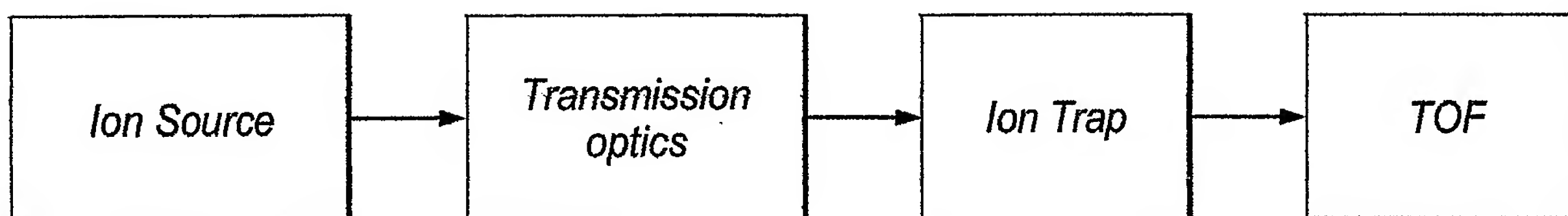


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*Fig.1*

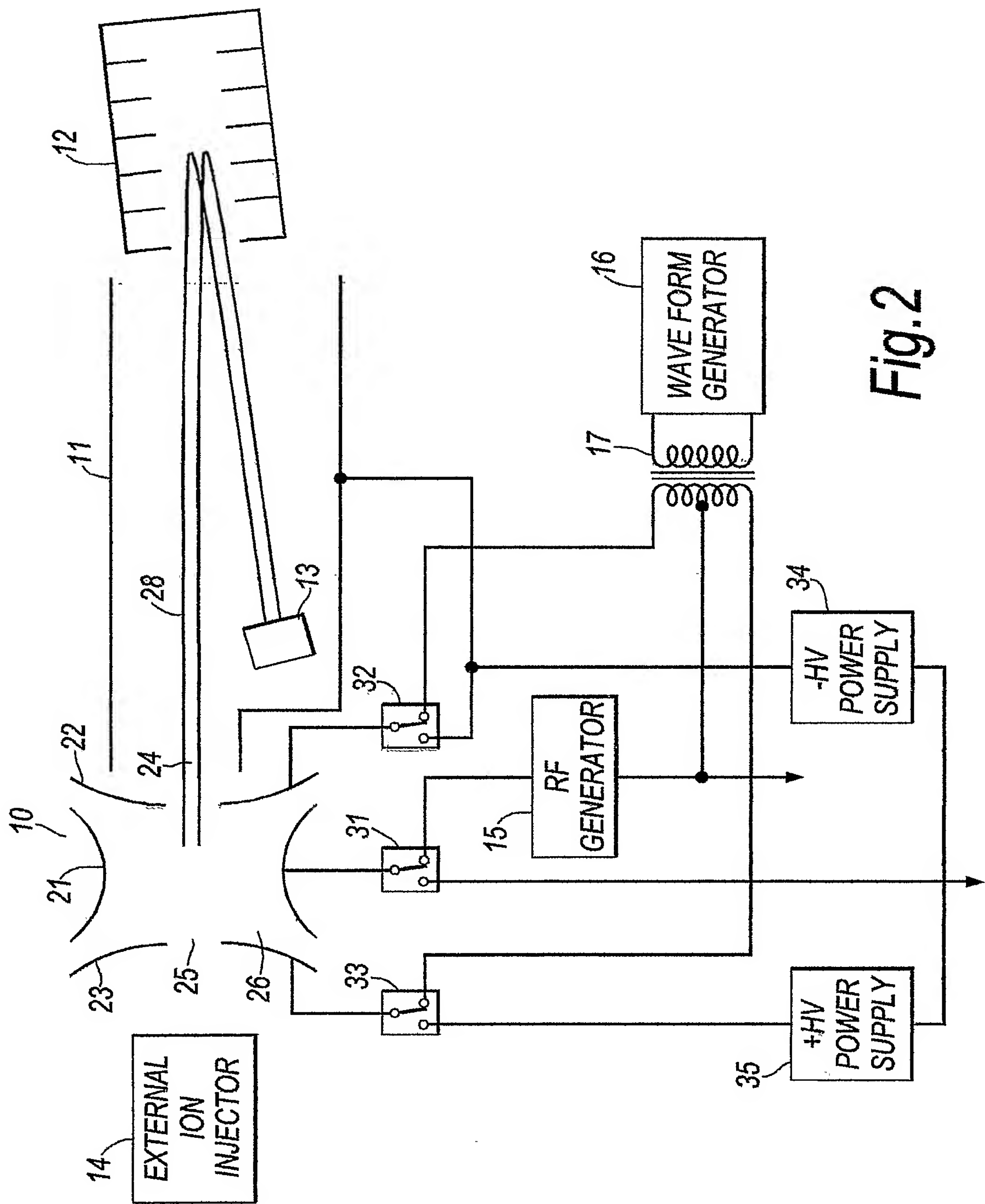


Fig. 2

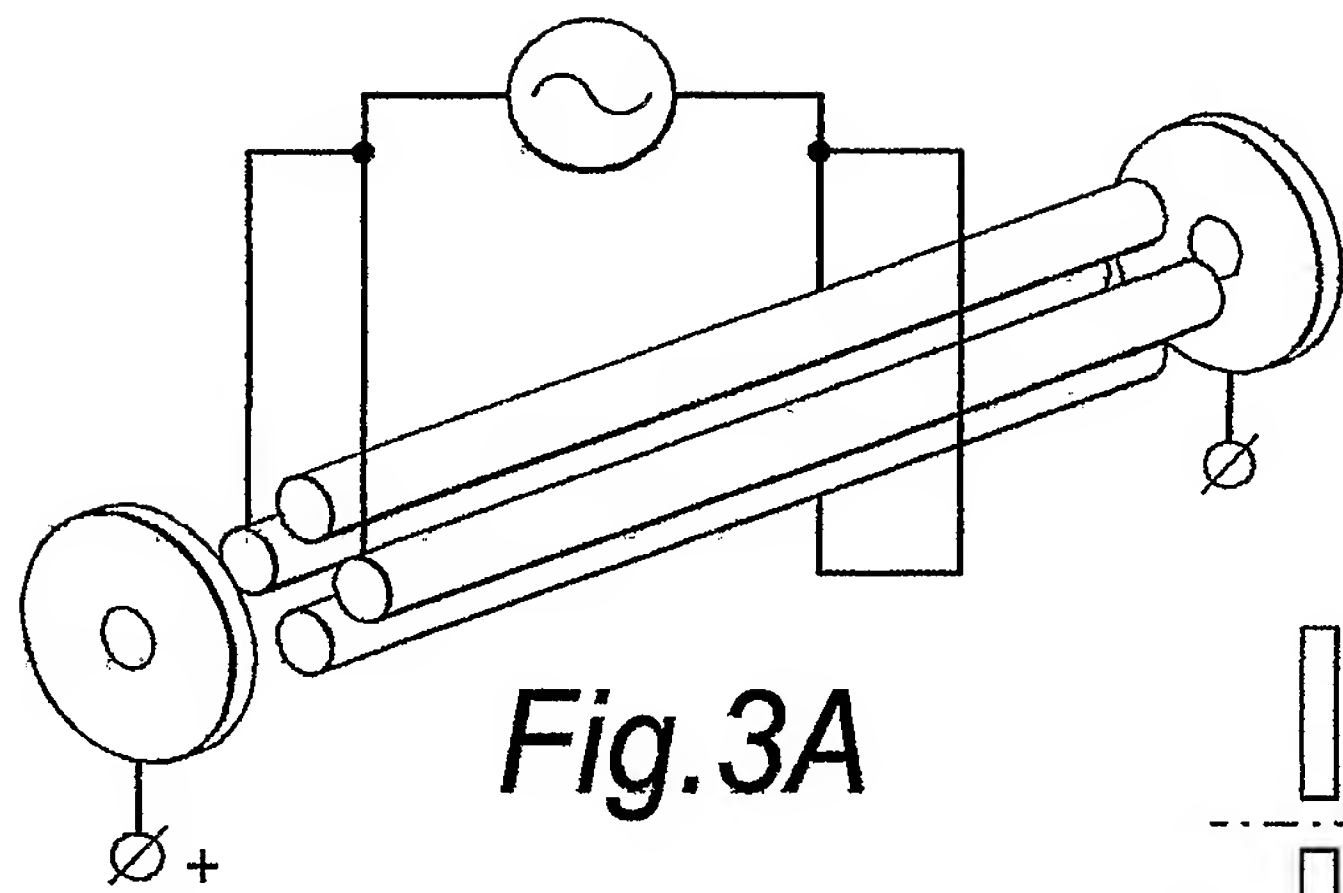


Fig. 3A

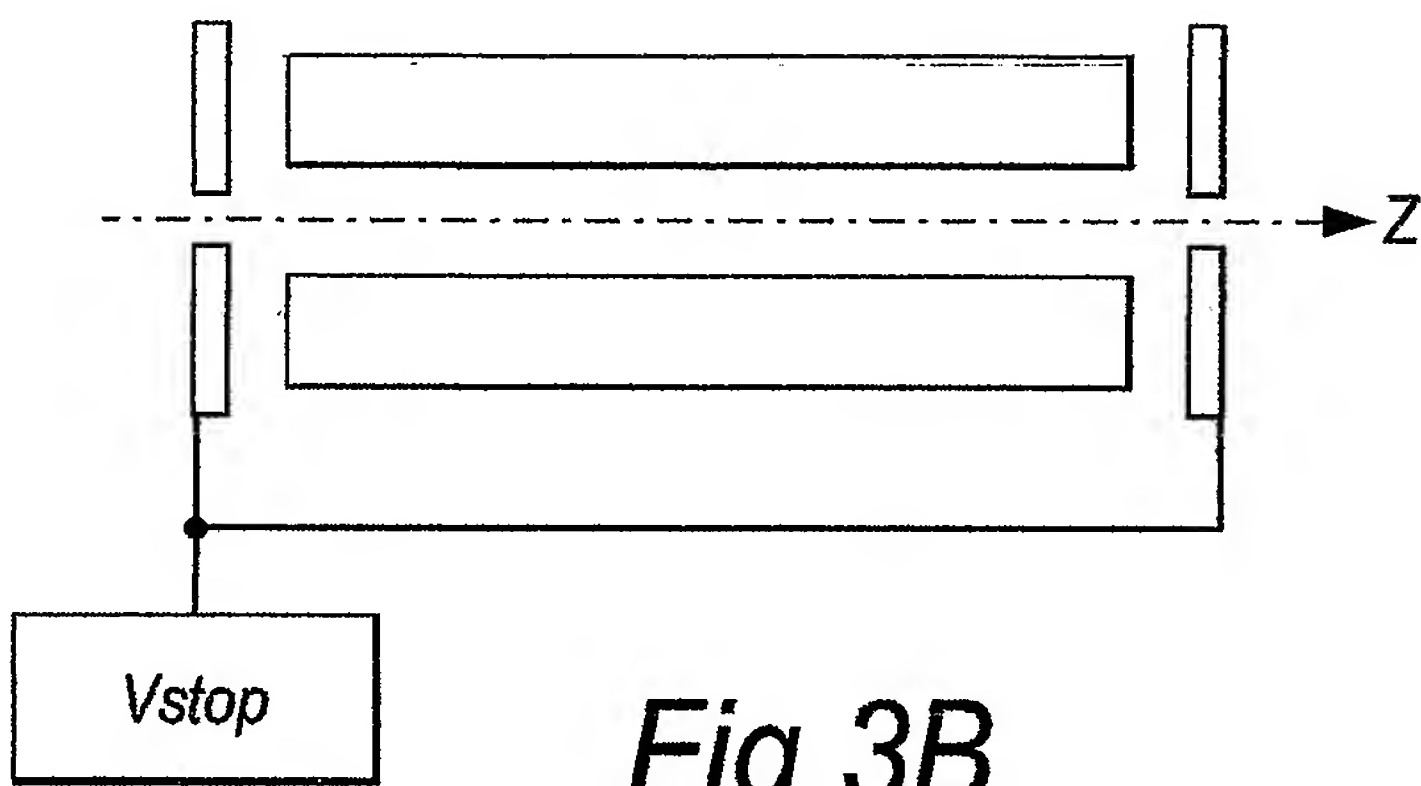


Fig. 3B

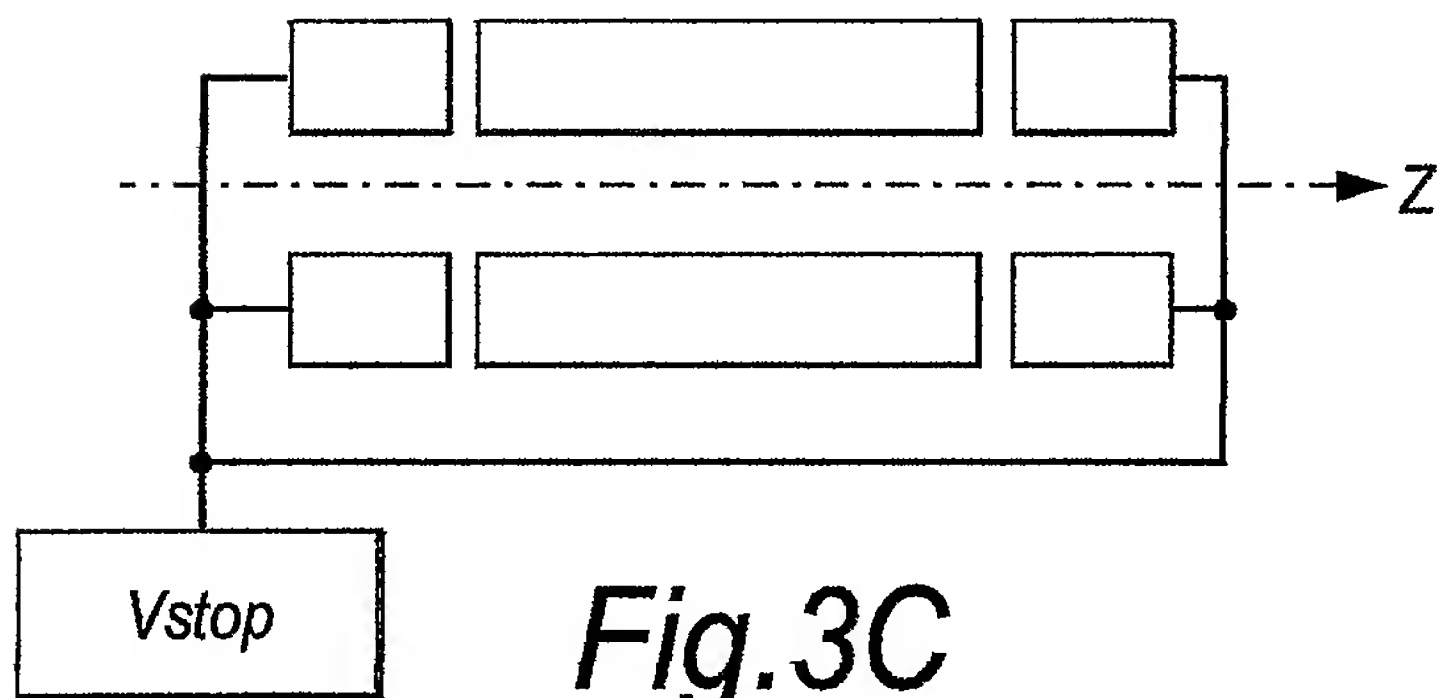


Fig. 3C

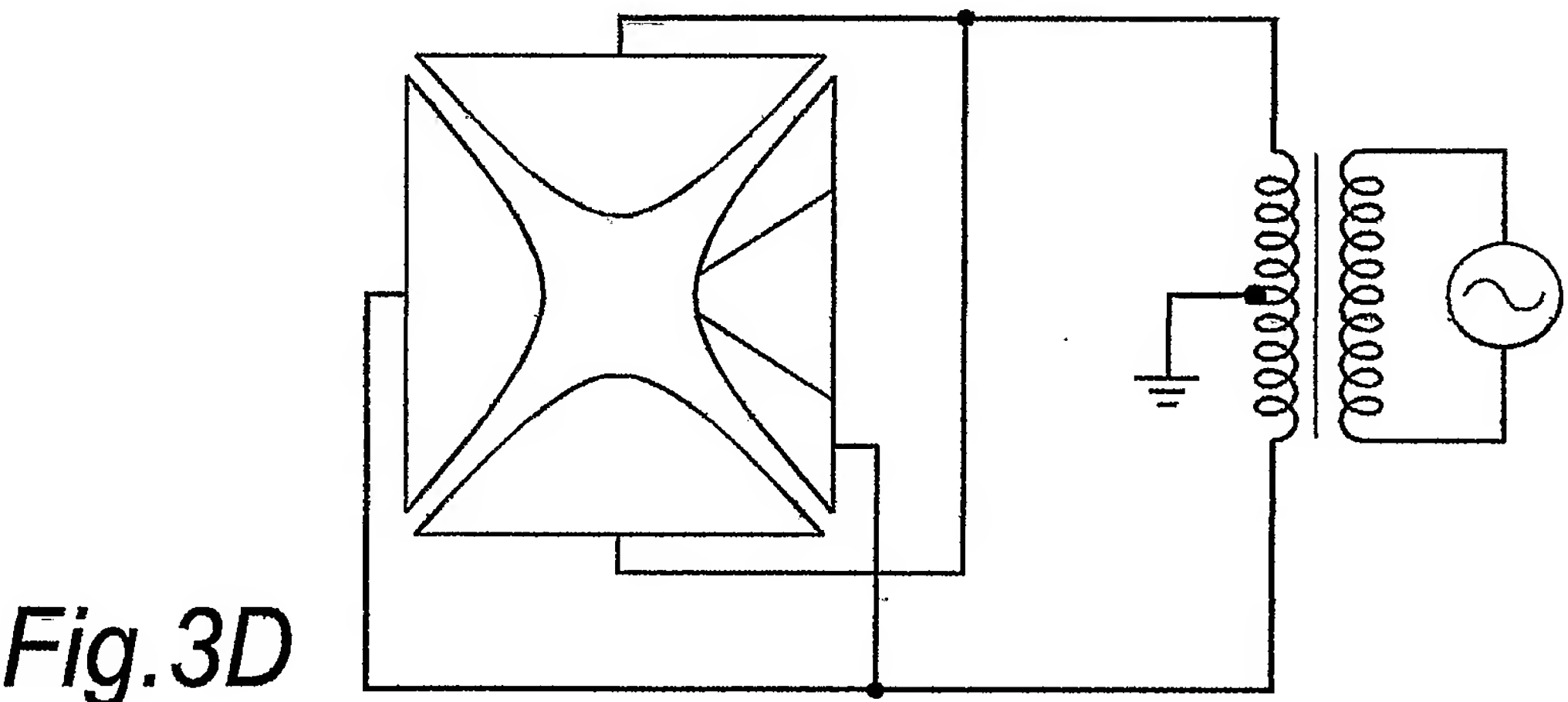


Fig. 3D

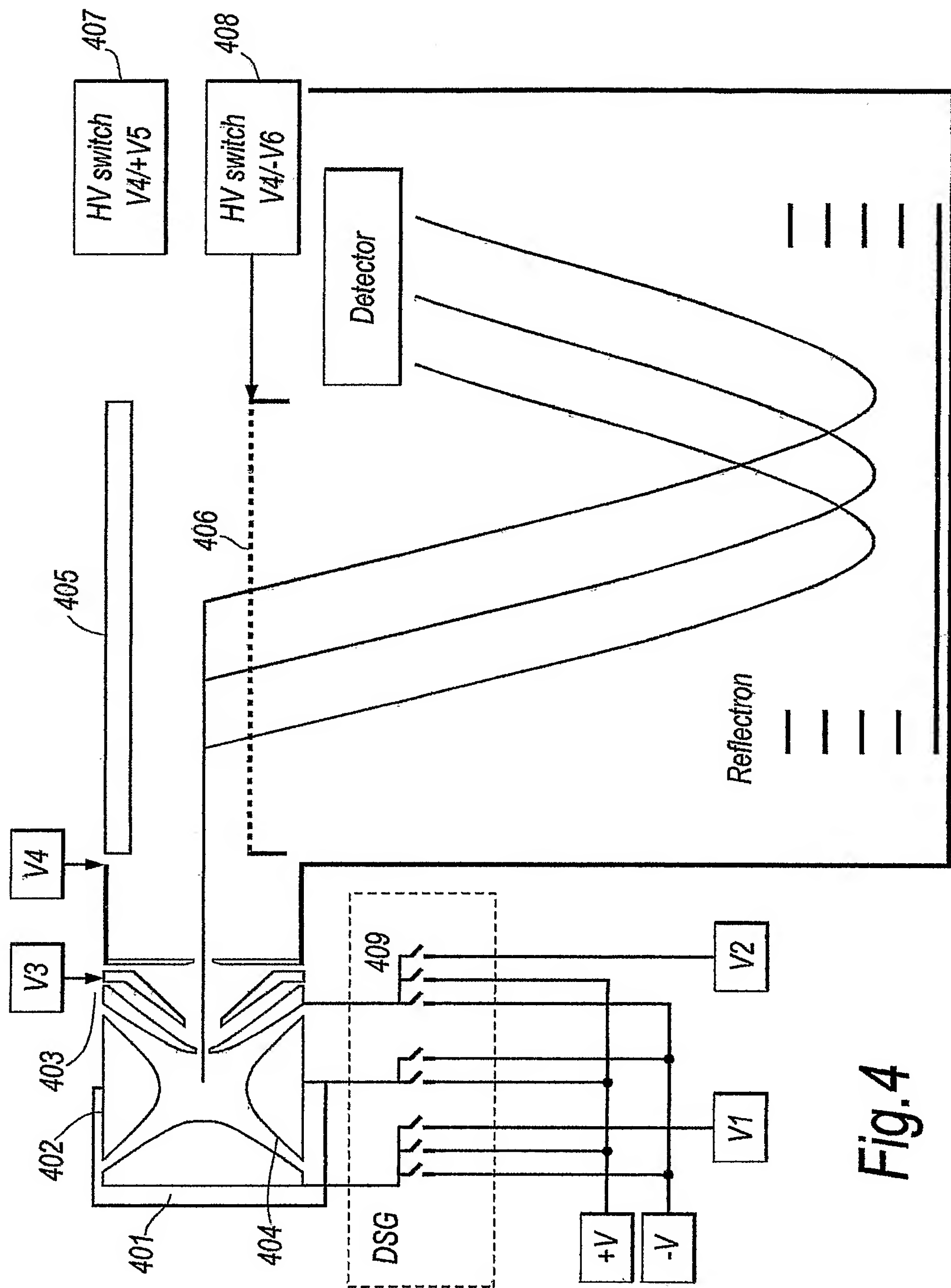


Fig. 4

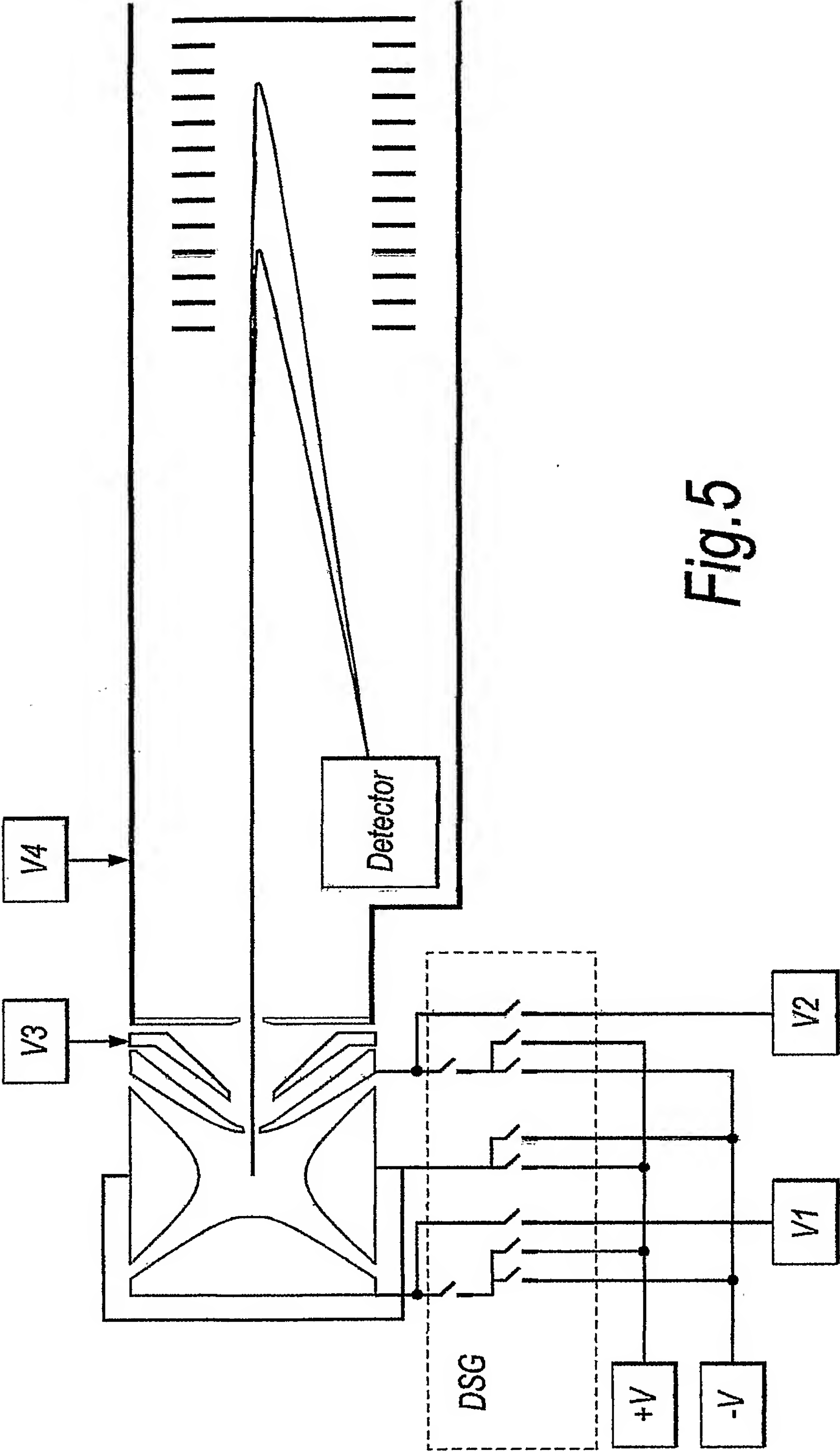


Fig. 5

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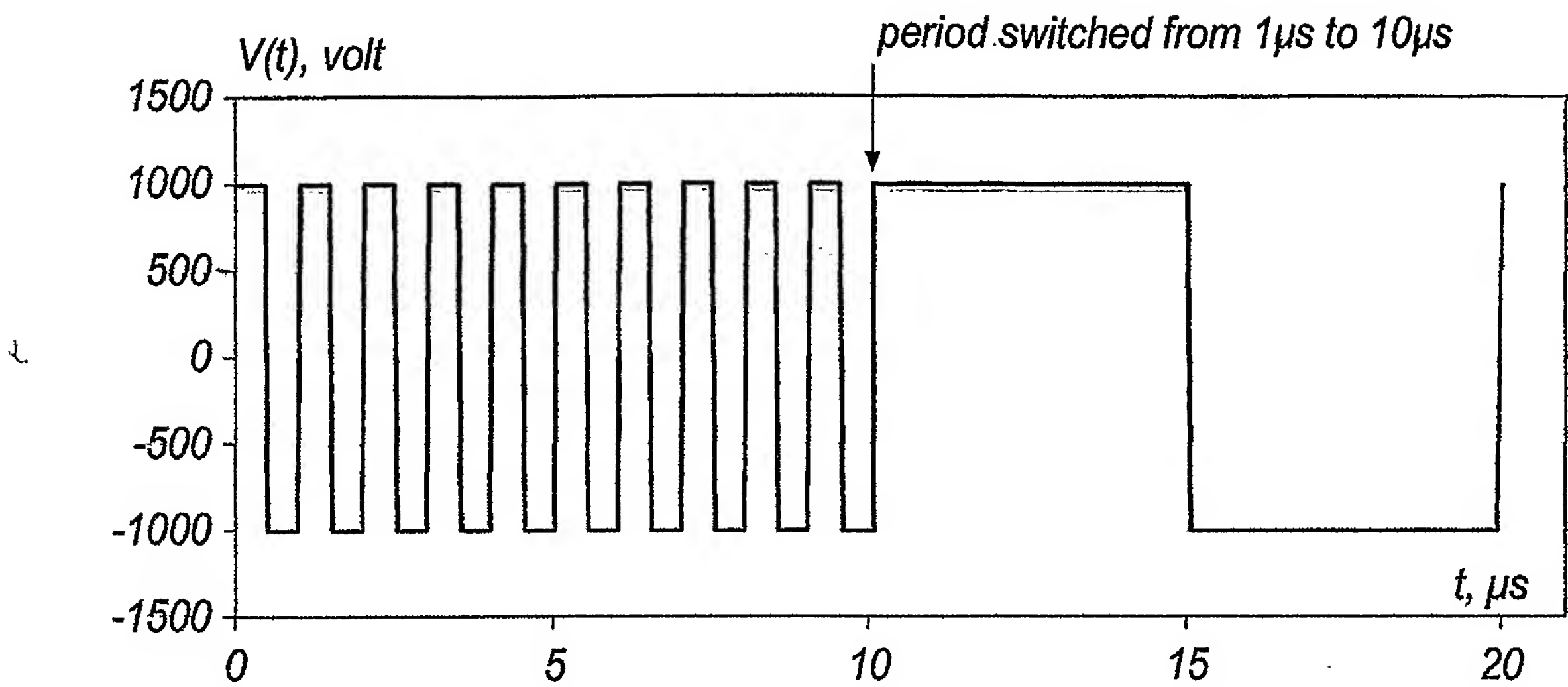


Fig.6

		<i>“ trap + ”</i>	<i>“ trap - ”</i>	<i>“ eject ”</i>
	<i>Y electrodes</i>	$+V$	$-V$	$-V$
	<i>X left</i>	$-V$	$+V$	$+V1$
	<i>X right</i>	$-V$	$+V$	$+V2$

Fig.7

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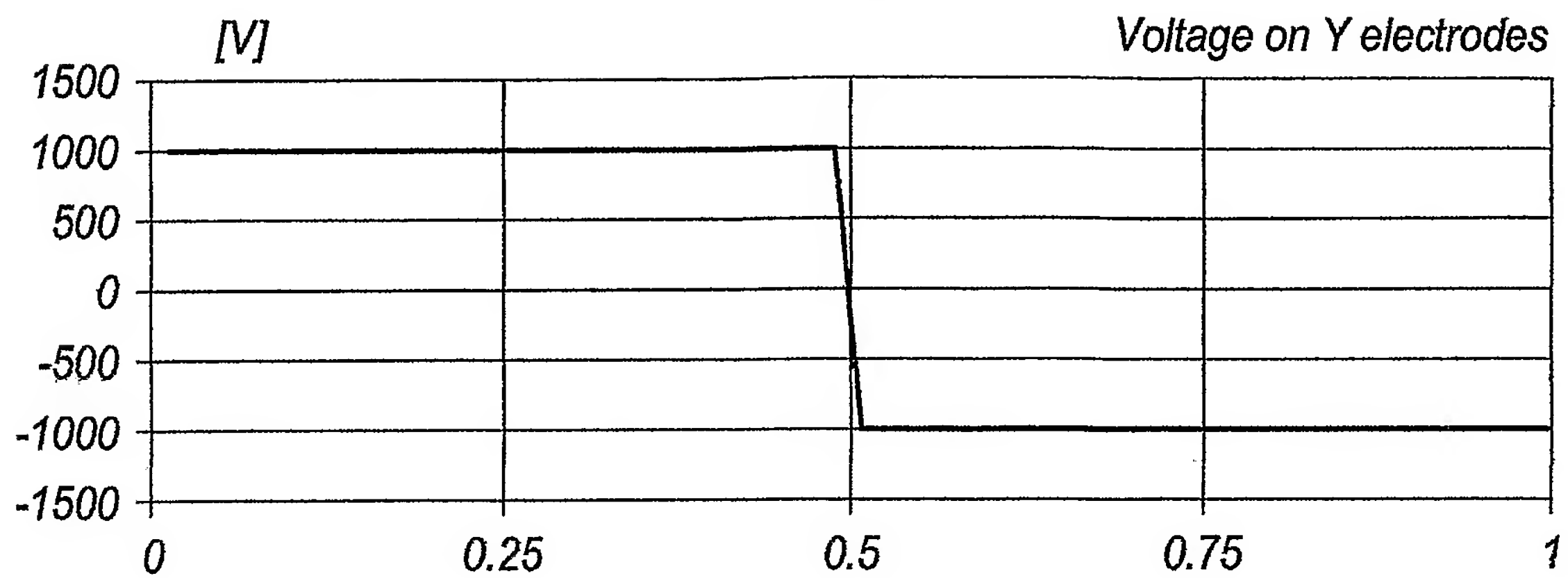
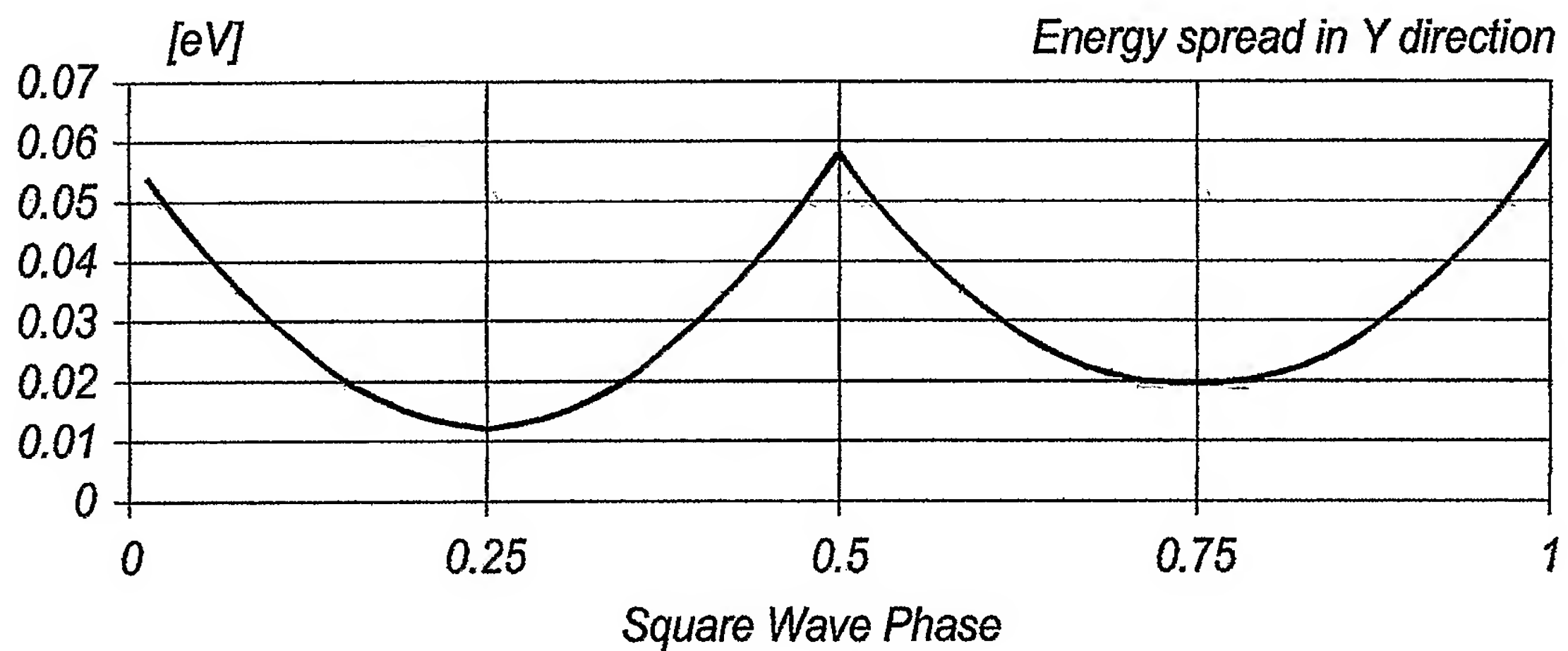
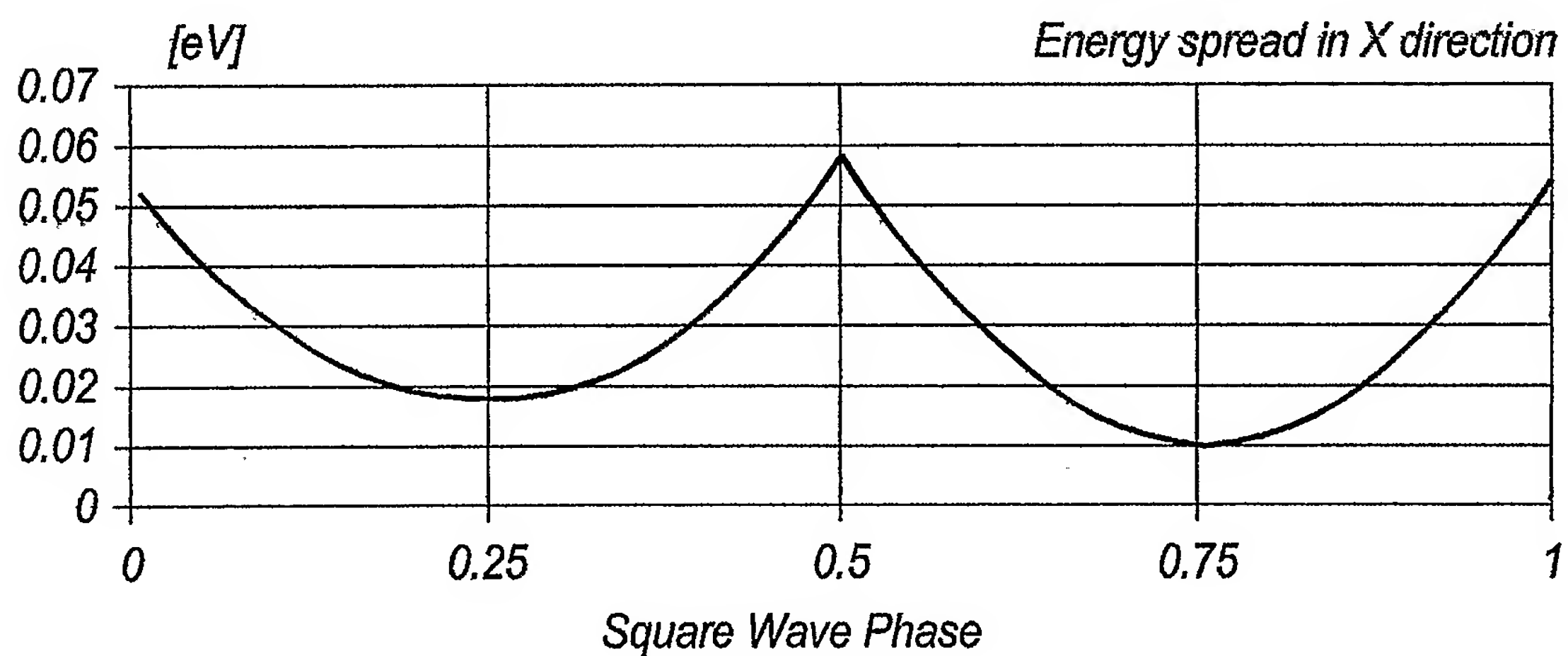


Fig. 8A



Square Wave Phase

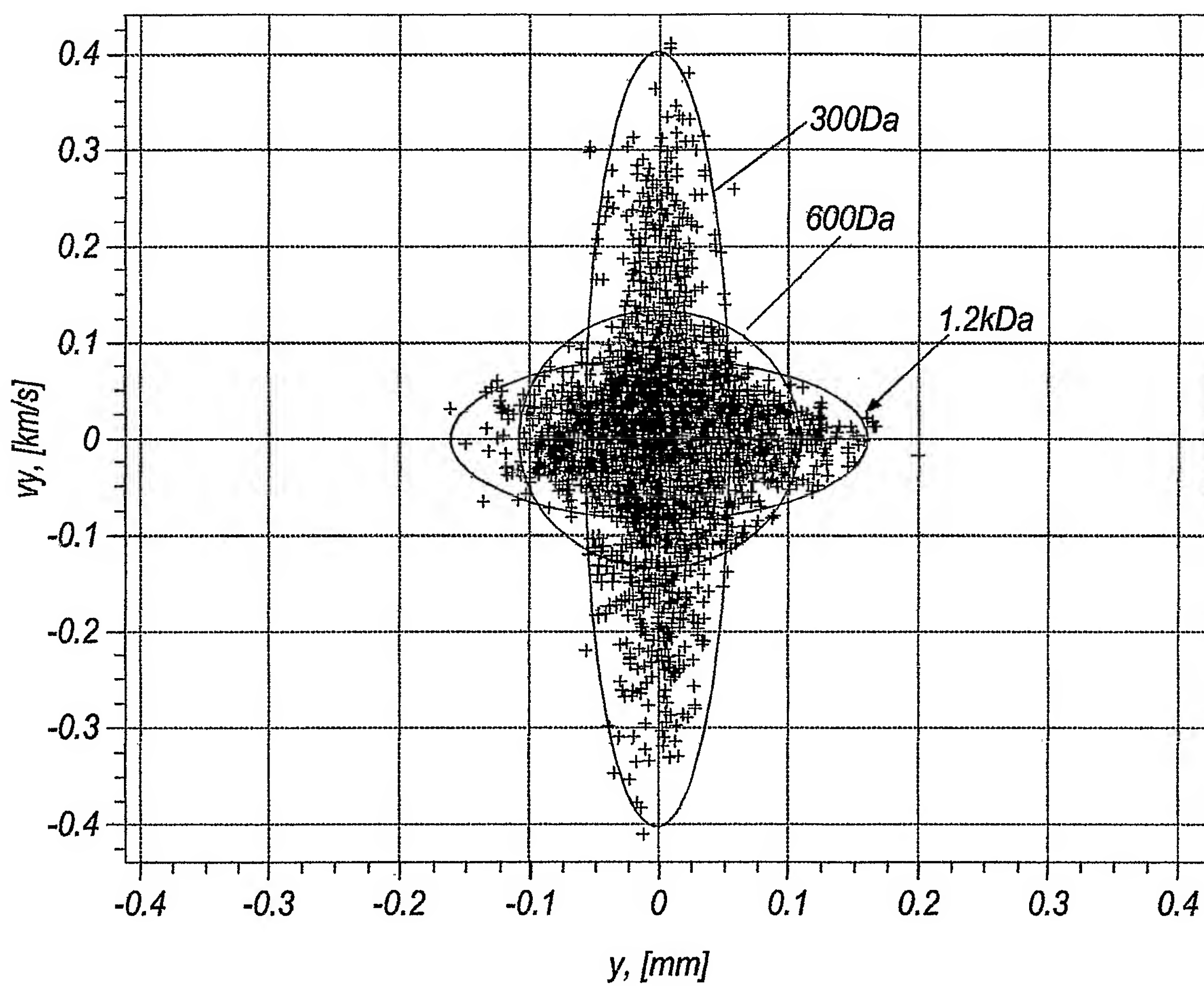
Fig. 8B



Square Wave Phase

Fig. 8C

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*Fig.9*



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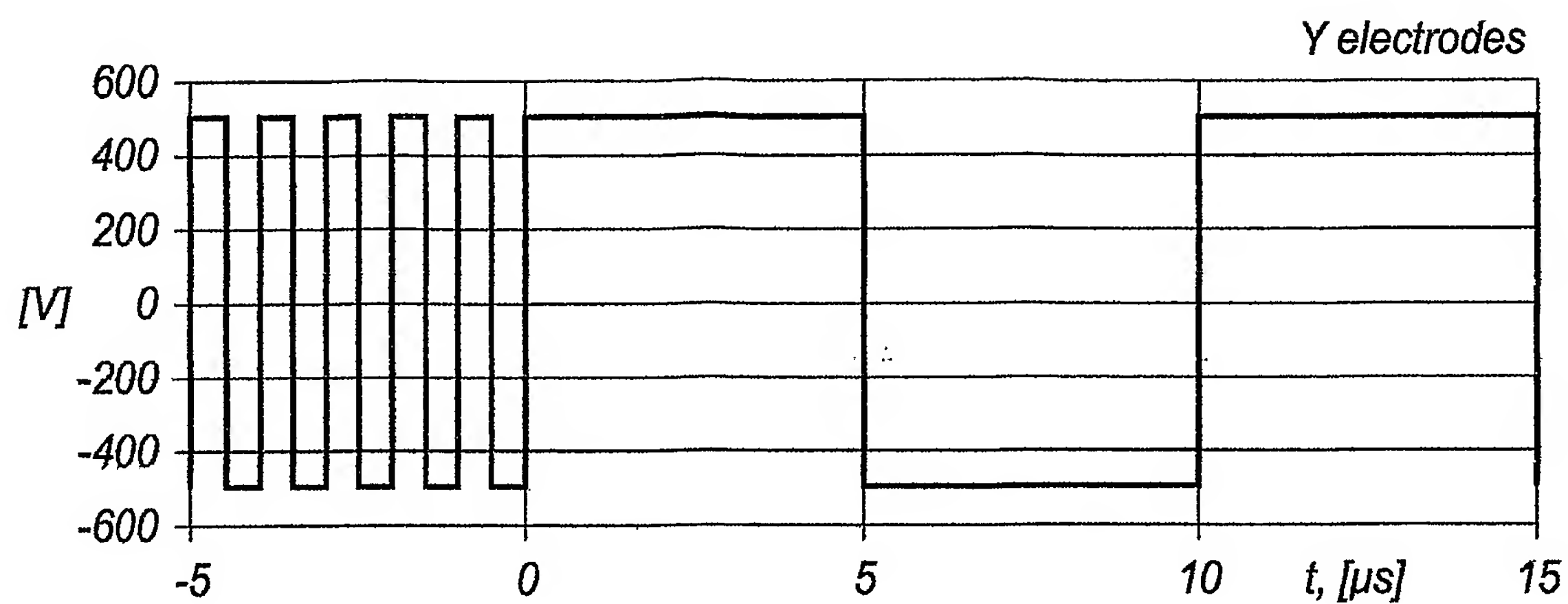


Fig. 10A

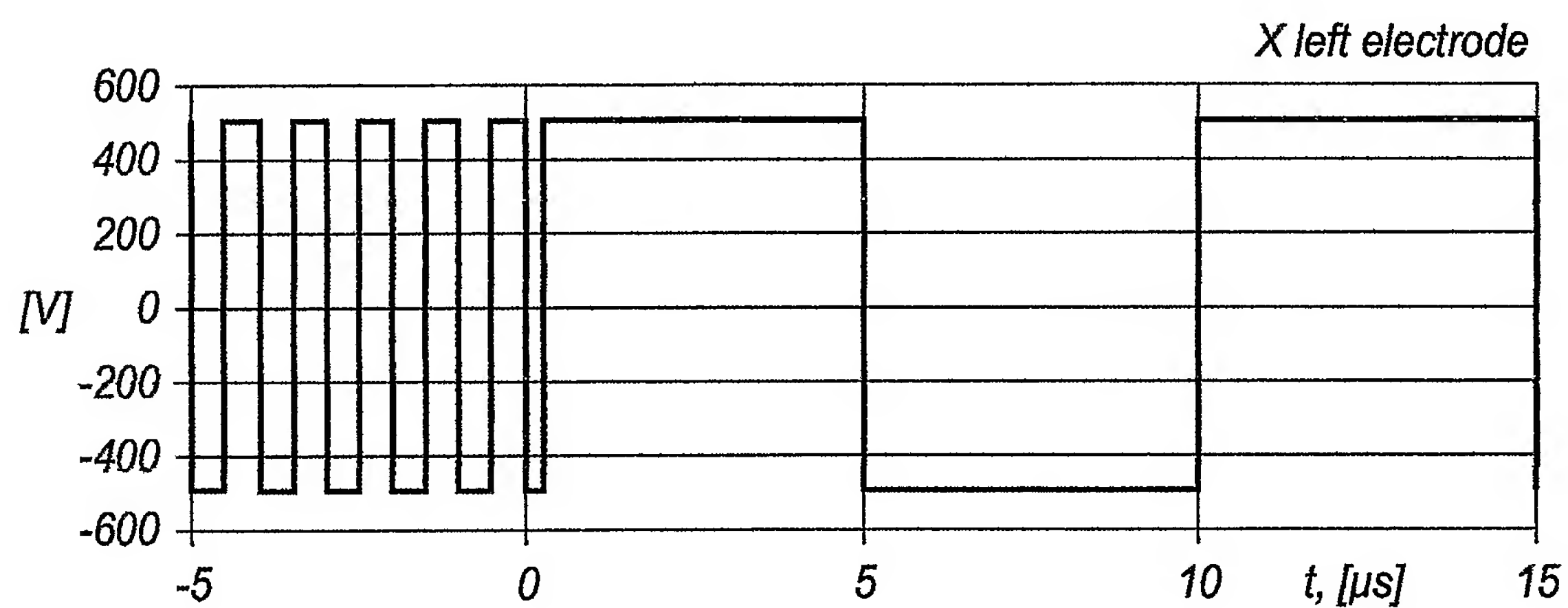


Fig. 10B

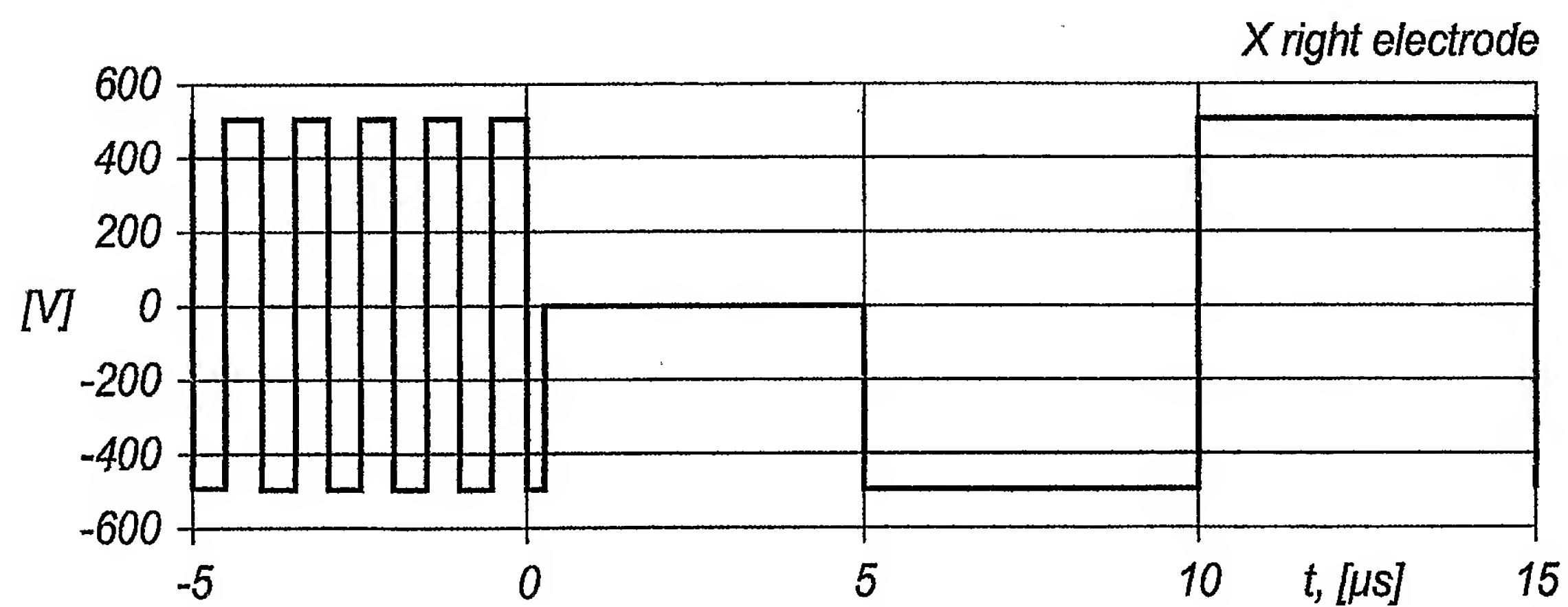


Fig. 10c

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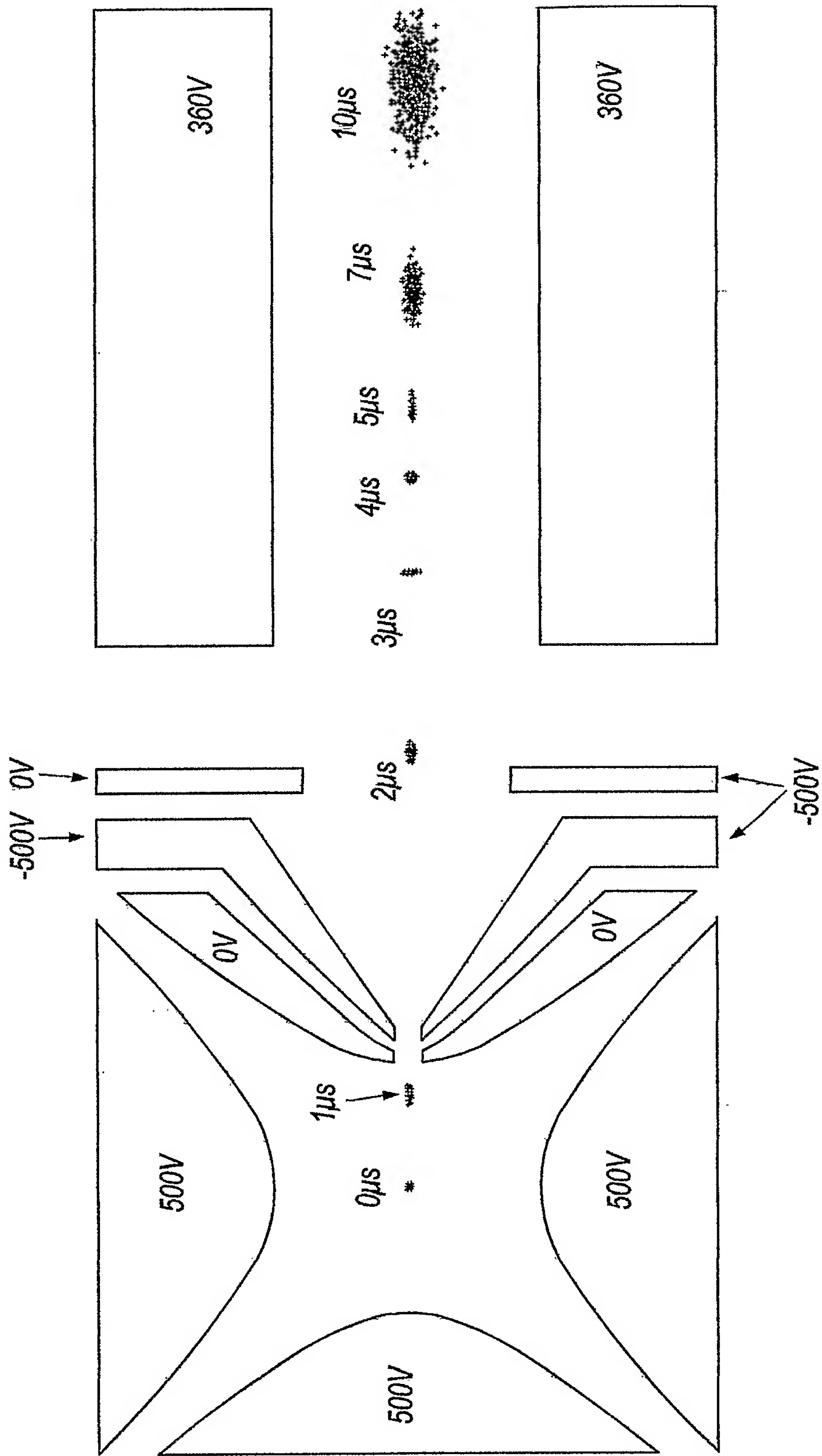


Fig.11

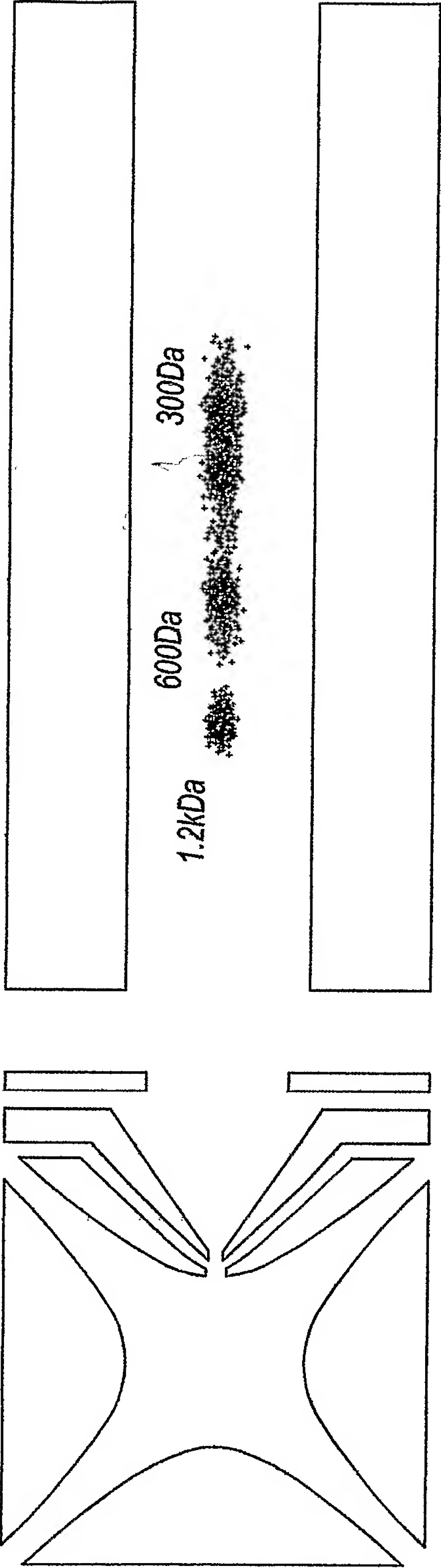


Fig. 12

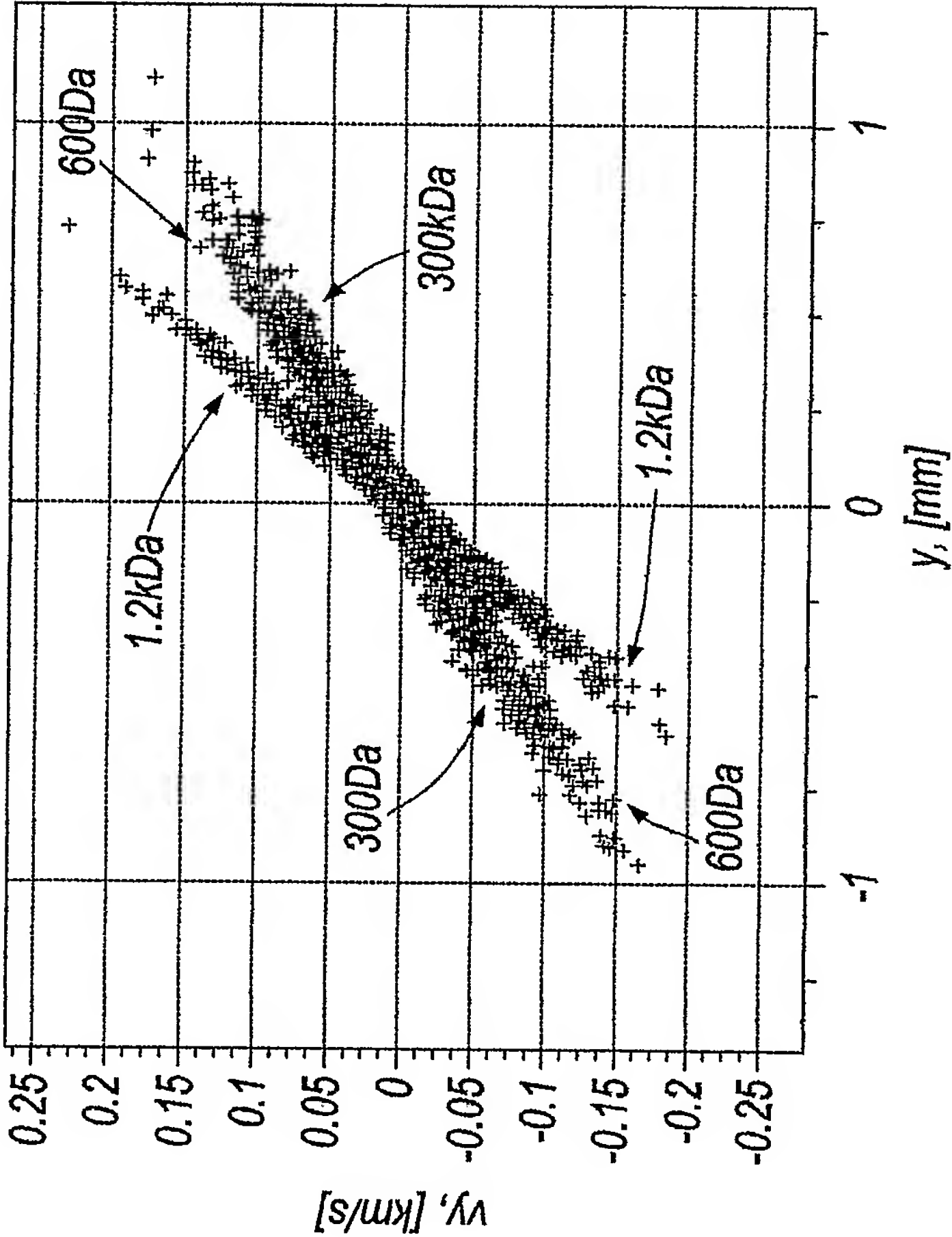


Fig. 13

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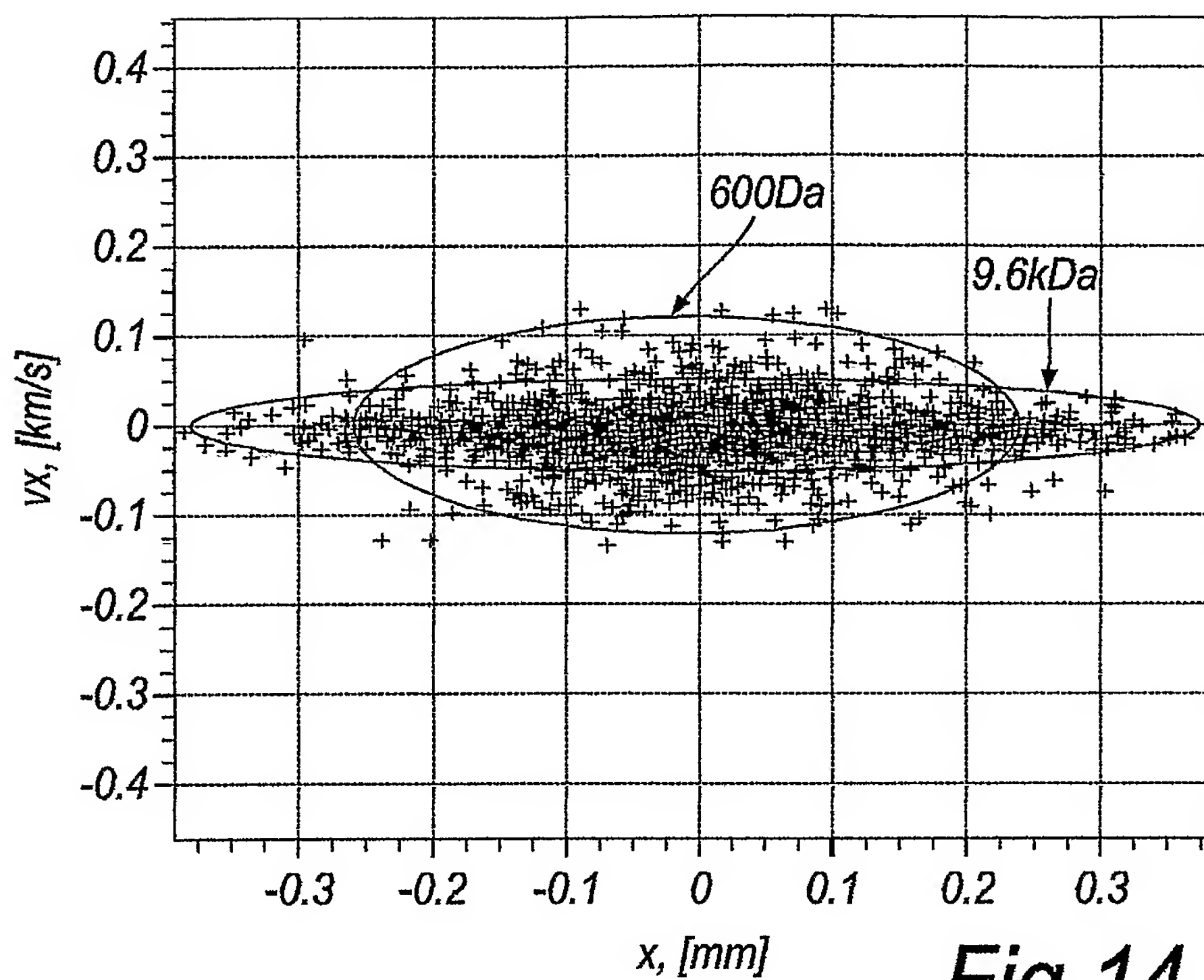


Fig. 14

$$X = 22.737 \pm 0.0125 \text{ r.m.s. [mm]}$$
$$V_x = 53775.3 \pm 355.68 \text{ r.m.s. [m/s]}$$

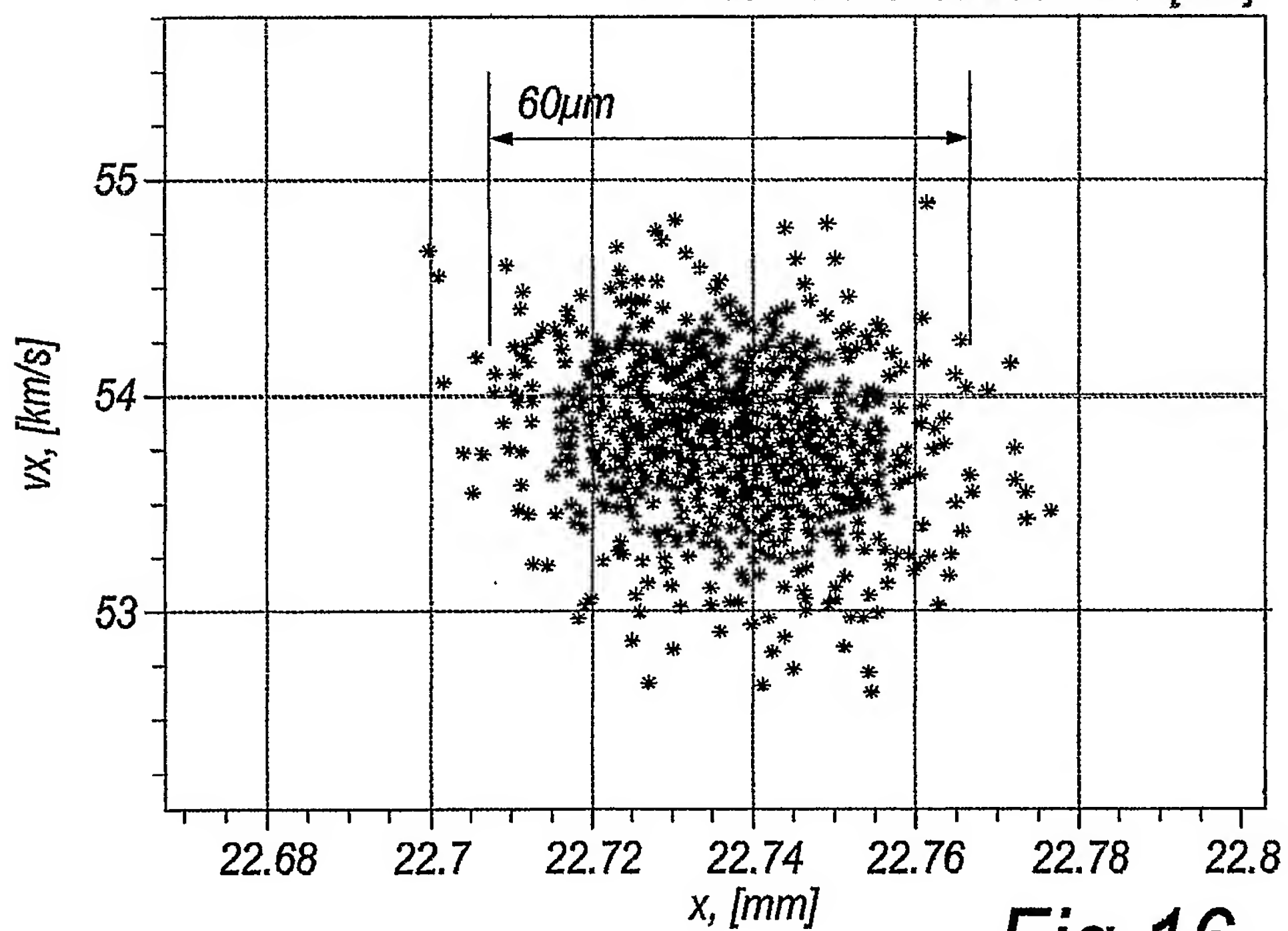


Fig. 16

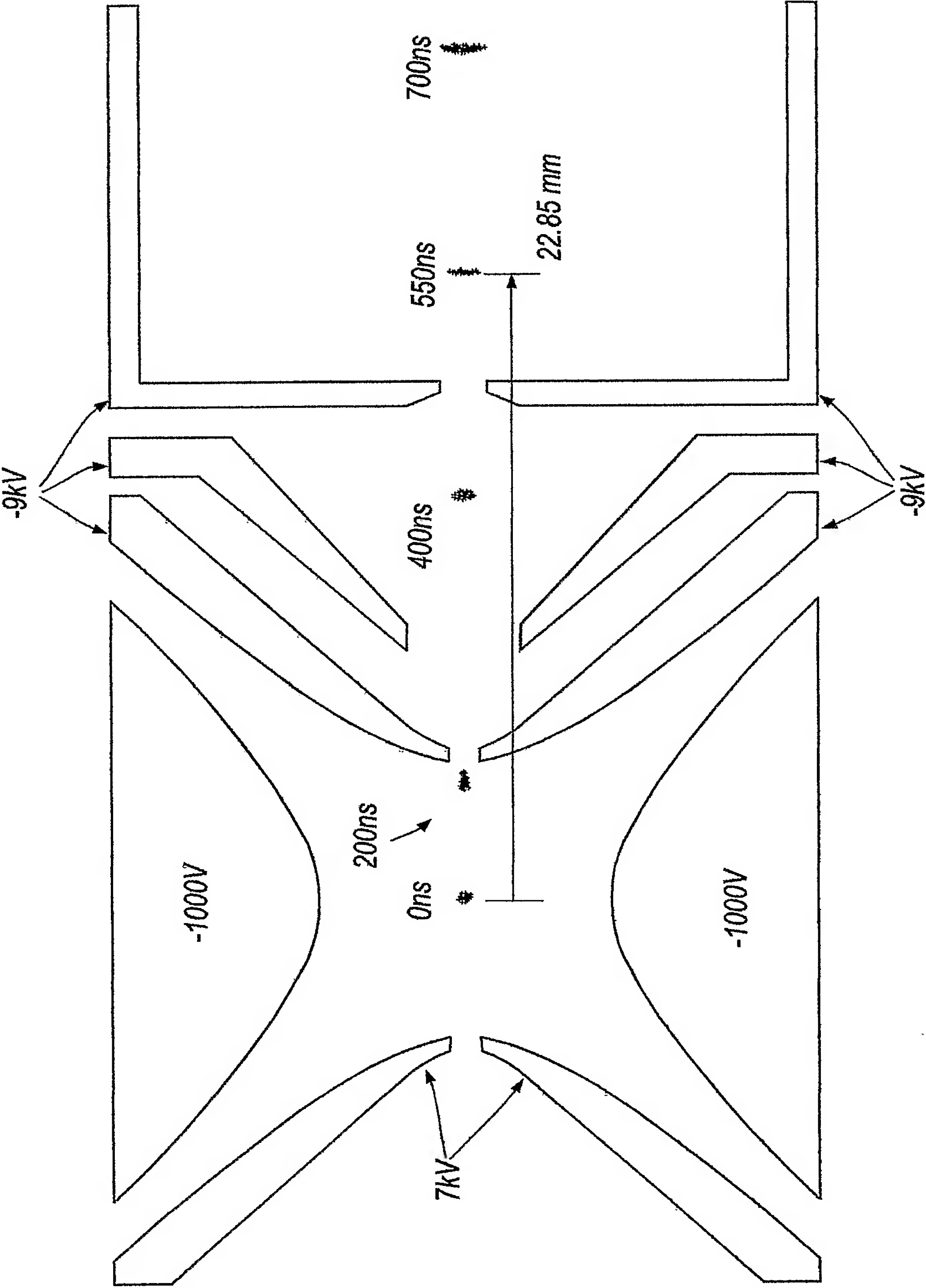


Fig.15

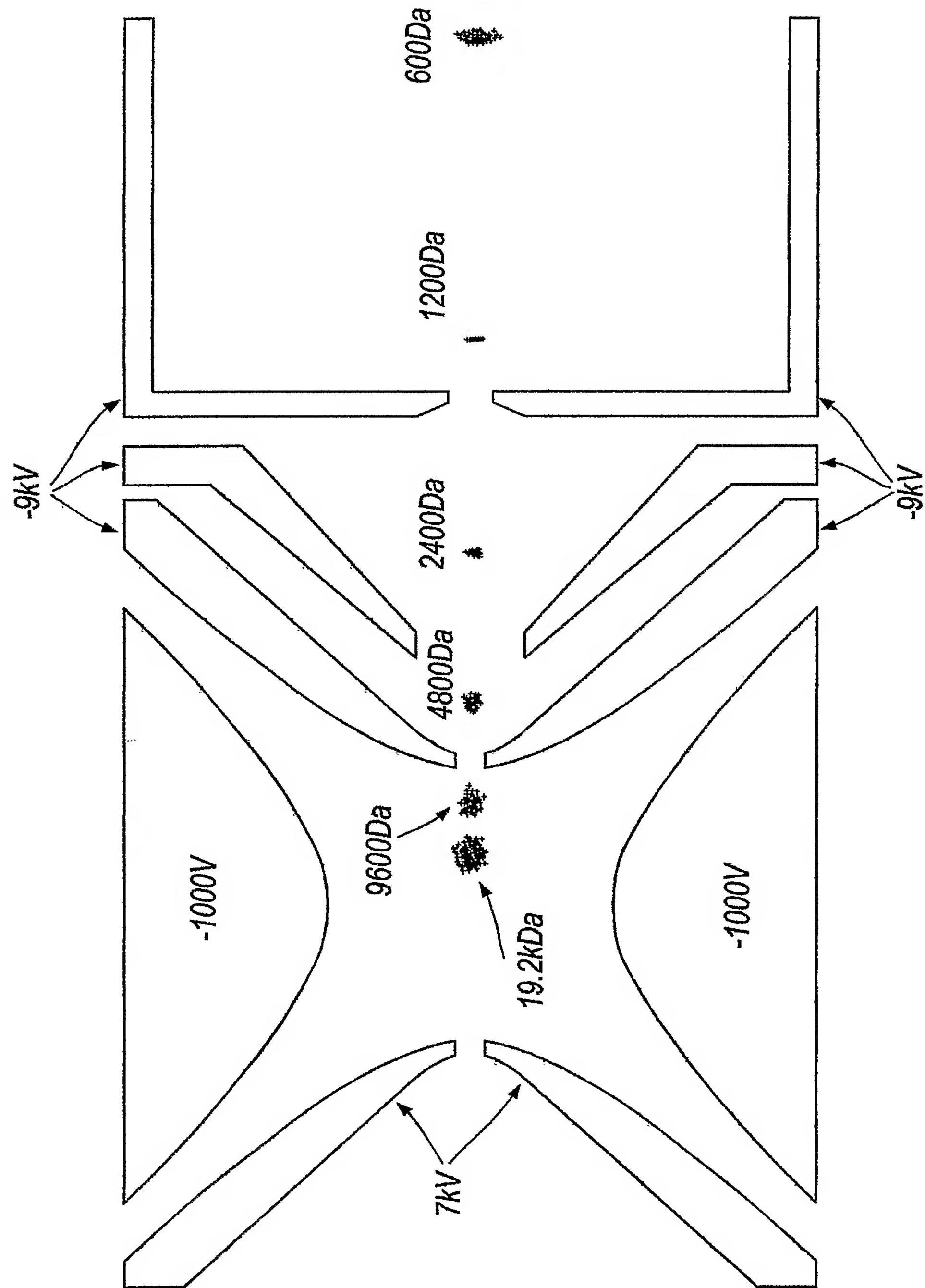


Fig.17

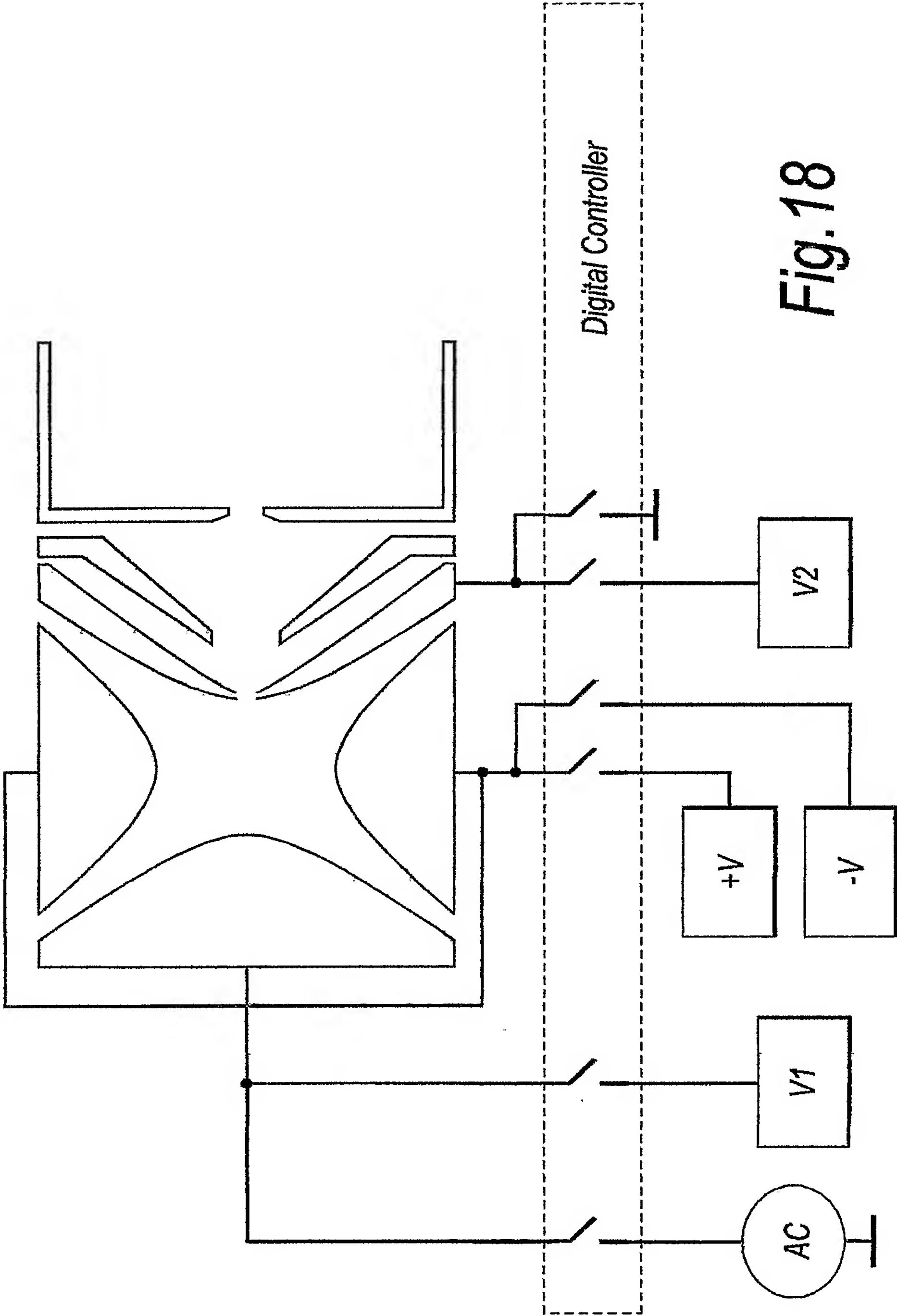


Fig. 18